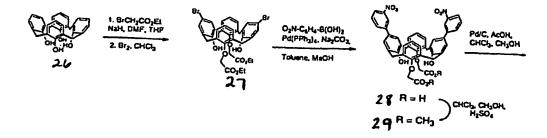
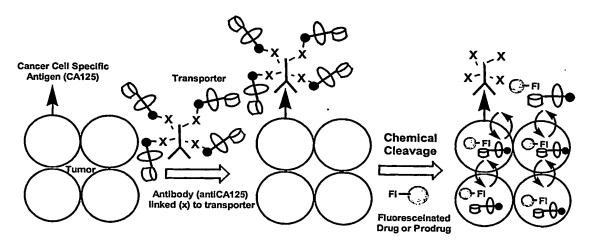
Synthesis of Derivatized Crown Ethers			
Cmpd	Reagent	R	yield
12a B	OP, N-Ac-ArgOH, DIEA, DMF	WHAT NH NH,	50%
, 12 <b>b</b> (1)	O_O_O . Ei,N (2) HCI	1 Lon	78%
12 L CD	N, (Bot),ArgOH, CHCI,, relliix	FINESC NH NHES	55%
12d co	l, Ac(Bee);ArgOH, CHCl3, reflux	hune my mos	67%
126(CF)	CO)¿O, pyradece, CH <sub>2</sub> Cl <sub>3</sub>	PCF,	T0%
12, From	od (Doc) <sub>2</sub> O, H <sub>2</sub> , Pd/C, DMF	190+	6902



09%

## FIGURE 9



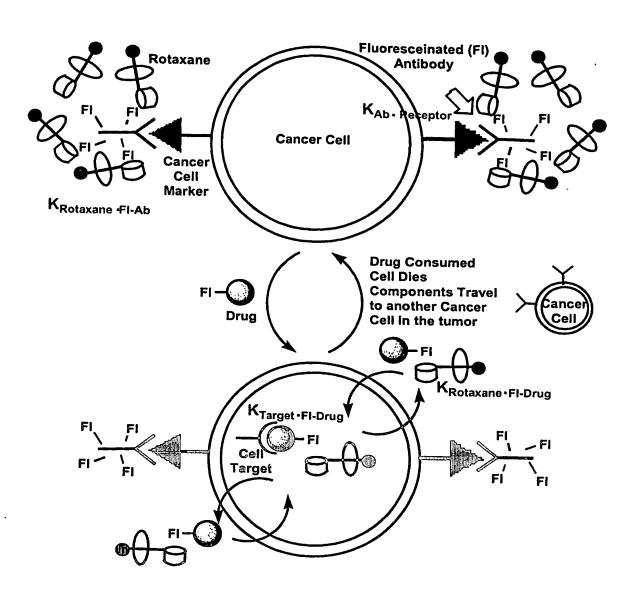


FIGURE 10

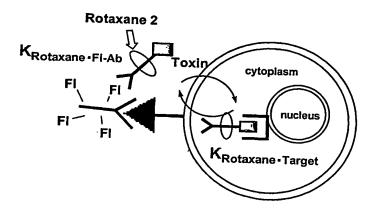


FIGURE 11

Covalent Bond

Covalent Bond

Transporter

 will be derivatized with Z
 still needs to be a transporter
 prefer the tumor over serum
 not toxic once cancer cells are killed Covalent Bond

1. stable enough to synthesize the conjugate

2. breaks after the antibody binds the tumor

3. best to have a triggering mechanism (light or pH)

FIGURE 12

Transporter HN O NH-Ab

o, m, or p disubstituted ring X can be C, N, O

FIGURE 13

Figure 14.

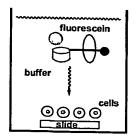


FIGURE 15

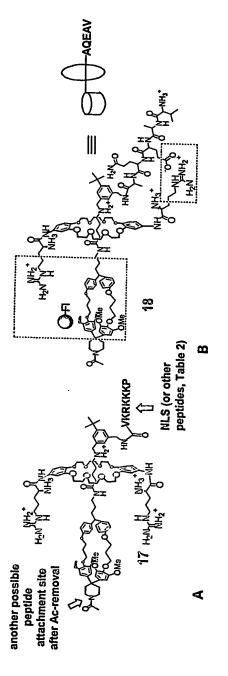


Figure 16.

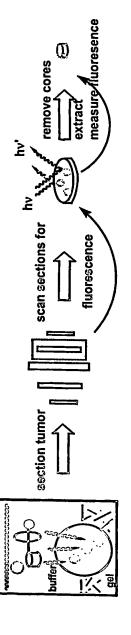


Figure 17.

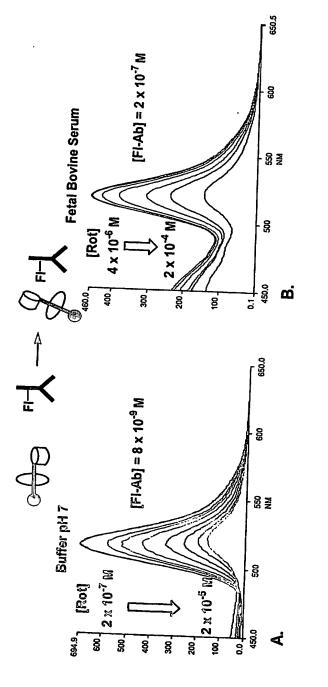


Figure 18.

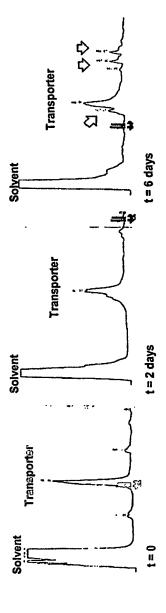


Figure 19.

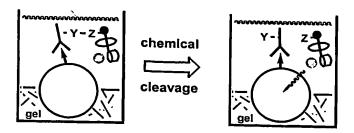


Figure 20.

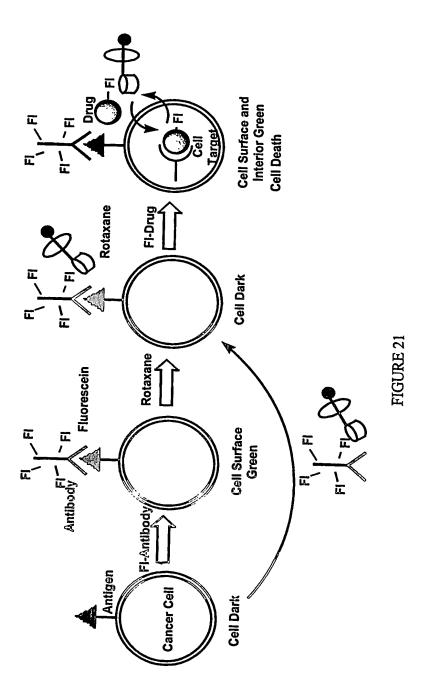


Figure 22.

Figure 24.

Figure 25.

Figure 27.

Figure 29.